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ABSTRACT

This book aims to provide the reader with background knowledge and understanding of major contemporary issues facing mathematics teachers in Great Britain. Much of the book is devoted to discussing issues related to curriculum construction and change. The chapters are: (1) "The Aims of Teaching Mathematics" (A. Orton); (2) "Mathematics Education and Society" (G. Wain); (3) "Learning Mathematics: Implications for Teaching" (A. Orton); (4) "The National Curriculum in Mathematics" (T. Roper & D. Carter); (5) "New Topics in the Mathematics Curriculum: Discrete Mathematics" (J. Monaghan & A. Orton); (6) "New Topics in the Mathematics Curriculum: Fractal Mathematics" (D. Carter); (7) "Language and Mathematics" (W. Gibbs & J. Orton); (8) "Assessing Mathematical Achievement" (D. Carter, L. Frobisher, & T. Roper); (9) "Learning Styles and Teaching Mathematics: Towards Open Learning" (G. Wain); (10) "Problems, Investigations and an Investigative Approach" (L. Frobisher); (11) "Integrating Mathematics into the Wider Curriculum" (T. Roper); (12) "New Technology and Mathematics Education: New Secondary Directions" (J. Monaghan); and (13) "Postscript: The Future of Mathematical Education" (T. Roper). Name and subject indexes are included. (MKR)

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